Mr. W. H. Shillingford
Ford Electronics and Refrigeration LLC
4747 Western Avenue
Connersville, IN 47331

Re: 041-11046-00004
Second Administrative Amendment to
Part 70 T041-6896-00004

Dear Mr. Shillingford:

Ford Electronics and Refrigeration LLC was issued a Part 70 Operating permit on February 17, 1999, for an automotive parts manufacturing plant. A letter requesting administrative changes was received on June 9, 1999. Pursuant to the provisions of 2-7-11 the permit is hereby administratively amended as follows (bold emphasis added to new language):

1. The name of the source has changed from "Ford Electronics and Refrigeration Corporation" to "Ford Electronics and Refrigeration LLC." The company name on the title page of the Part 70 Operating Permit shall be revised as follows:

Ford Electronics and Refrigeration ~~Corporation~~ **LLC**
4747 Western Avenue
Connersville, Indiana 47331

2. The header of each page of the permit should be revised as follows:

Ford Electronics and Refrigeration ~~Corporation~~ **LLC** Page x of 52
Connersville, Indiana OP No. T041-6896-00004
Permit Reviewer: TE/EVP

3. Item (a) of Condition B.9 on Page 8 of the permit shall be revised as follows to be consistent with language in Section C that states that some requirements are not federally enforceable:

B.9 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]
(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit **may** constitute~~s~~ a violation of the Clean Air Act and is grounds for:

4. A typographical error was made several times in various conditions of Section D.1 starting on Page 28 of the permit. The plant has four (4) boilers identified as BLR1, BLR2, BLR4, and BLR5 as identified in the Facility Description of Section D.1; however, Conditions D.1.1, D.1.2, D.1.4, D.1.5 and D.1.6 mistakenly reference the boilers as BLR1, BLR2, BLR3, and BLR4. The appropriate portions of those conditions shall be revised as follows (note: only affected portions of the conditions are shown below):

D.1.1 Particulate Matter (PM) [326 IAC 6-2-3]
Pursuant to 326 IAC 6-2-3(a) (Particulate emission limitations for sources of indirect

heating: Emission Limitations for Facilities Specified in 326 IAC 6-2-1(b)), the PM emissions from each of the four (4) boilers (ID Nos. BLR1, BLR2, ~~BLR3~~ **BLR4**, and ~~BLR4~~ **BLR5**) shall be limited to 0.3 pounds per MMBtu heat input.

D.1.2 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-1]
Pursuant to 326 IAC 7-1.1 (SO_2 Emissions Limitations) the SO_2 emissions from each of the four (4) boilers (ID Nos. BLR1, BLR2, ~~BLR3~~ **BLR4**, and ~~BLR4~~ **BLR5**) firing No. 2 distillate fuel oil shall not exceed five tenths (0.5) pounds per MMBtu heat input.

D.1.4 Sulfur Dioxide Emissions and Sulfur Content
(b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from each of the four (4) boilers (ID Nos. BLR1, BLR2, ~~BLR3~~ **BLR4**, and ~~BLR4~~ **BLR5**), using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

D.1.5 Visible Emissions Notations
(a) Daily visible emission notations of each of the four (4) boilers (ID Nos. BLR1, BLR2, ~~BLR3~~ **BLR4**, and ~~BLR4~~ **BLR5**) stack exhausts shall be performed during normal daylight operations when the boilers are burning No. 2 distillate fuel oil and exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

D.1.6 Record Keeping Requirements
(b) To document compliance with Condition D.1.5, the Permittee shall maintain records of daily visible emission notations of each of the four (4) boilers (ID Nos. BLR1, BLR2, ~~BLR3~~ **BLR4**, and ~~BLR4~~ **BLR5**) stack exhausts.

5. The Evaporator Plate Fin B&B Conveyorized Degreaser referenced in Section D.3 as "2DGR" has been removed from the plant. Therefore, the facility description for this emission unit shall be deleted from Section D.3 and the operating conditions addressing the emission unit shall be revised as follows (note: only affected portions of the conditions are shown below):

D.3.2 Hazardous Air Pollutants (HAPs) [326 IAC 20-6-1] [40 CFR 63, Subpart T]
Pursuant to 40 CFR 63, Subpart T, and 326 IAC 20-6-1, the ~~two (2)~~ degreasing operation~~s~~ (ID No~~s~~. 1DGR ~~and 2DGR~~) ~~are~~ **is** subject to the following conditions:

D.3.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]
A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for ~~each~~ **the** degreaser (ID No~~s~~. 1DGR ~~and 2DGR~~) and ~~each of~~ the carbon adsorption unit~~s~~ (ADSORB1 ~~and ADSORB2~~) controlling VOC emissions.

D.3.4 Testing Requirements [326 IAC 2-7-6(1),(6)]
The Permittee is not required to test the ~~two (2)~~ degreasing operation~~s~~ (ID No~~s~~. 1DGR ~~and 2DGR~~) by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the ~~two (2)~~ degreasing operation~~s~~ (ID No~~s~~. 1DGR ~~and 2DGR~~) ~~are~~ **is** in compliance. If testing is required by IDEM, compliance with the limit specified in Condition D.3.2 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Condition D.3.6 has been removed entirely from the permit.

~~D.3.6 Compliance Schedule~~

~~The following shall apply to the Evaporator Plate Fin B & B conveyorized vapor degreaser (ID No. 2DGR) only:~~

~~(1) Ford Electronics and Refrigeration Corporation has stated that the Evaporator Plate Fin B & B conveyorized vapor degreaser (ID No. 2DGR) was not able to meet the December 2, 1997 compliance deadline for Subpart T. Ford has submitted a detailed description of the new system which will replace the Evaporator Plate Fin B & B conveyorized vapor degreaser (ID No. 2DGR), a compliance schedule for the degreaser (ID No. 2DGR), which is scheduled to be removed from the source in November, 1998, a description of interim control steps that Ford will take to reduce halogenated solvent emissions until the degreaser is removed from the source, and a description of any steps that Ford is willing to take to reduce emissions of pollutants below levels required under Subpart T or other regulations. This information is listed below:~~

~~**Replacement System**~~

~~Description of the Thermal De-oiling System - Consists of a zoned insulated steel-lined chamber with circulation fans (forced convection heating), conveyor, exhaust ducts, a gas-fired incinerator and controls. Parts will be carried through the oven (180ºC) on a conveyor. The oven will exhaust through an incinerator with approximately a two (2) second dwell time at 850ºC.~~

~~**Compliance Schedule**~~

~~Plate Fin B & B Degreaser (2DGR)~~

- ~~October 31, 1997 - Complete process trials~~
- ~~November 29, 1997 - Project sign-off~~
- ~~December 23, 1997 - Award contract and issue purchase order for thermal de-oiler equipment~~
- ~~January 16, 1998 - Issue purchase order for monorail~~
- ~~February 27, 1998 - Issue purchase order for platform~~
- ~~June 30, 1998 - Begin installation of thermal de-oiler equipment~~
- ~~Oct. - Nov., 1998 - On-site trial/de-bugging of new system and removal of non-compliant degreaser~~
- ~~December 1, 1998 - Full operation of new equipment~~

~~(2) **Interim emission control steps that Ford will take to reduce halogenated solvent emissions until the non-compliant degreaser (2DGR) is removed from the source**~~

~~The Plate Fin B & B degreaser is currently equipped with a carbon adsorption unit for controlling VOCs. Ford will continue to operate this control for as long as the solvent degreaser is in operation. Additionally, the Connersville plant will implement all applicable work and operational practice standards detailed in 40 CFR 63.463(d)(1) through (d)(12).~~

~~(3) **Steps that Ford is willing to take to reduce emissions of pollutants below**~~

~~**levels required under Subpart T or other regulations**~~

~~First, it should be noted that an additional consideration for Ford's inability to meet the December 2, 1997 compliance deadline is the fact that over the past five (5) years, the Connersville plant has implemented major projects to replace four (4) solvent degreasing systems with non-solvent systems. Also, the previously existing non-compliant Plate Fin Tube degreaser has been recently removed from the source. These replacement projects, coupled with their present plans to eliminate one (1) more solvent system, represents not only a substantial commitment to go beyond regulatory requirements (achieving zero (0) HAP emissions), but also is the approach which certainly is of most benefit to the environment in the long term.~~

D.3.7 Monitoring

~~(2) The Evaporator Plate Fin B & B conveyorized vapor degreaser (ID No. 2DGR), which did not achieve compliance with Subpart T by the December 2, 1997 compliance deadline, shall be replaced by the non-solvent system listed under Condition D.3.5 on page 41 of this permit according to the compliance schedule also listed under Condition D.3.5 on page 41 of this permit.~~

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Janusz Johnson, at (800) 451-6027, press 0 and ask for extension (2-8325), or dial (317) 232-8325.

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

Attachments
JKJ
cc: File - Fayette County
U.S. EPA, Region V
Fayette County Health Department
Air Compliance Section Inspector - Warren Greiling
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner

PART 70 OPERATING PERMIT
and ENHANCED NEW SOURCE REVIEW
OFFICE OF AIR MANAGEMENT

Ford Electronics and Refrigeration LLC
4747 Western Avenue
Connersville, Indiana 47331

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T041-6896-00004	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Management	Issuance Date: February 17, 1999

First Administrative Amendment No. 041-10719-00004, issued April 10, 1999.

Second Administrative Amendment: 041-11046	Pages Affected:	8, 28, 29, 30, 33, 38, 41 and 42
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:	

(b) The Permittee shall furnish to IDEM, OAM within a reasonable time, any information that IDEM, OAM may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.

(c) Upon request, the Permittee shall also furnish to IDEM, OAM copies of records required to be kept by this permit. If the Permittee wishes to assert a claim of confidentiality over any of the furnished records, the Permittee must furnish such records to IDEM, OAM, along with a claim of confidentiality under 326 IAC 17. If requested by IDEM, OAM, or the U.S. EPA, to furnish copies of requested records directly to U. S. EPA, and if the Permittee is making a claim of confidentiality regarding the furnished records, then the Permittee must furnish such confidential records directly to the U.S. EPA along with a claim of confidentiality under 40 CFR 2, Subpart B.

B.9 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]

(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit may constitute a violation of the Clean Air Act and is grounds for:

(1) Enforcement action;

(2) Permit termination, revocation and reissuance, or modification; or

(3) Denial of a permit renewal application.

(b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

B.10 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)]

(a) Any application form, report, or compliance certification submitted under this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification, and any other certification required under this permit, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, on the attached Certification Form, with each submittal.

(c) A responsible official is defined at 326 IAC 2-7-1(34).

B.11 Annual Compliance Certification [326 IAC 2-7-6(5)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The certification shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

(1) one (1) natural gas fired boiler (ID No. BLR1), rated at 37.0 million (MM) British thermal units (Btu) per hour, using No. 2 distillate fuel oil as back-up fuel, exhausting through one (1) stack, identified as PH-C-2-3;
(2) one (1) natural gas fired boiler (ID No. BLR2), rated at 37.0 million (MM) British thermal units (Btu) per hour, using No. 2 distillate fuel oil as back-up fuel, exhausting through one (1) stack, identified as PH-D-2-2;
(3) one (1) natural gas fired boiler (ID No. BLR4), rated at 72.0 million (MM) British thermal units (Btu) per hour, using No. 2 distillate fuel oil as back-up fuel, exhausting through one (1) stack, identified as PH-F-2-3; and
(4) one (1) natural gas fired boiler (ID No. BLR5), rated at 72.0 million (MM) British thermal units (Btu) per hour, using No. 2 distillate fuel oil as back-up fuel, exhausting through one (1) stack, identified as PH-G-2-4.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Particulate Matter (PM) [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3(a) (Particulate emission limitations for sources of indirect heating: Emission Limitations for Facilities Specified in 326 IAC 6-2-1(b)), the PM emissions from each of the four (4) boilers (ID Nos. BLR1, BLR2, BLR4, and BLR5) shall be limited to 0.3 pounds per MMBtu heat input.

This limitation is based on the following equation:

$$Pt = \frac{C \times a \times h}{76.5 \times Q^{0.75} \times N^{0.25}}$$

$$Pt = \frac{50 \times 0.67 \times 55}{76.5 \times 218^{0.75} \times 4^{0.25}} = 0.30 \text{ lb/MMBtu}$$

D.1.2 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-1]

Pursuant to 326 IAC 7-1.1 (SO_2 Emissions Limitations) the SO_2 emissions from each of the four (4) boilers (ID Nos. BLR1, BLR2, BLR4, and BLR5) firing No. 2 distillate fuel oil shall not exceed five tenths (0.5) pounds per MMBtu heat input.

Compliance Determination Requirements

D.1.3 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the PM and SO_2 limits specified in Conditions D.1.1 and D.1.2 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

D.1.4 Sulfur Dioxide Emissions and Sulfur Content

Compliance shall be determined utilizing one of the following options.

(a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed five-tenths percent (0.5%) by weight by:

(1) Providing vendor analysis of fuel delivered, if accompanied by a certification; or

(2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling; or

(b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from each of the four (4) boilers (ID Nos. BLR1, BLR2, BLR4, and BLR5), using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to either of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.5 Visible Emissions Notations

(a) Daily visible emission notations of each of the four (4) boilers (ID Nos. BLR1, BLR2, BLR4, and BLR5) stack exhausts shall be performed during normal daylight operations when the boilers are burning No. 2 distillate fuel oil and exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.6 Record Keeping Requirements

(a) To document compliance with Condition D.1.2, the Permittee shall maintain records in accordance with (1) through (6) below.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;

(3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:

(4) Fuel supplier certifications;

(5) The name of the fuel supplier; and

(6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

(b) To document compliance with Condition D.1.5, the Permittee shall maintain records of daily visible emission notations of each of the four (4) boilers (ID Nos. BLR1, BLR2, BLR4, and BLR5) stack exhausts.

(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.7 Reporting Requirements

The Natural Gas Fired Boiler Certification shall be submitted when submitting monitoring, testing reports/results or other documents as required by this permit to the address listed in Section C - General Reporting Requirements, of this permit, using the certification form located at the end of this permit, or its equivalent.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

(8) one (1) North Condenser conveyorized vapor degreaser (ID No. 1DGR), using a maximum of 27.56 gallons of solvent per hour, with a carbon adsorption unit (ID No. ADSORB1) for control of volatile organic compound (VOC) emissions, and exhausting through one (1) stack; and

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 General Provisions Relating to HAPs [326 IAC 20-1-1][40 CFR Part 63, Subpart A]

The provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR Part 63, Subpart T.

D.3.2 Hazardous Air Pollutants (HAPs) [326 IAC 20-6-1] [40 CFR 63, Subpart T]

Pursuant to 40 CFR 63, Subpart T, and 326 IAC 20-6-1, the degreasing operation (ID No. 1DGR) is subject to the following conditions:

(1) Pursuant to 40 CFR 63.460(d), each solvent cleaning machine subject to this subpart that commenced construction or reconstruction on or before November 29, 1993, shall achieve compliance with the provisions of this subpart no later than December 2, 1997.

(2) Pursuant to 40 CFR 63.463(a), except as provided in 40 CFR 63.464, the Permittee shall ensure that each in-line solvent cleaning machine conforms to the following design requirements:

(A) Each cleaning machine shall be designed or operated to meet one of the following requirements:

(i) an idling and downtime mode cover, as described in 40 CFR 63.463(d)(1)(i), that may be readily opened or closed, that completely covers the cleaning machine openings when in place, and is free of cracks, holes, and other defects; or

(ii) a reduced room draft as described in 40 CFR 63.463(e)(2)(ii).

(B) Each cleaning machine shall have a freeboard ratio of 0.75 or greater.

(C) Each cleaning machine shall have an automated parts handling system capable of moving parts or parts baskets at a speed of 3.4 meters per minute (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts.

(D) Each vapor cleaning machine shall be equipped with a device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils.

(A) Determine the amount of time for the part or parts basket to cease dripping once placed in the vapor zone. The part or parts basket used for this determination must be at room temperature before being placed in the vapor zone.

(B) The proper dwell time for parts to remain in the freeboard area above the vapor zone is no less than 35 percent of the time determined in paragraph (6)(A) above.

D.3.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the degreaser (ID No. 1DGR) and the carbon adsorption unit (ADSORB1) controlling VOC emissions.

Compliance Determination Requirements

D.3.4 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test the degreasing operation (ID No. 1DGR) by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the degreasing operation (ID No. 1DGR) is in compliance. If testing is required by IDEM, compliance with the limit specified in Condition D.3.2 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

D.3.5 Hazardous Air Pollutants (HAPs) [326 IAC 20-6-1] [40 CFR 63, Subpart T]

(1) Pursuant to 40 CFR 63.465(e), the potential to emit from all solvent cleaning operations at the source that are subject to this subpart shall be determined using the procedures described in paragraphs (1)(A) through (1)(C) below. A source's total potential to emit is the sum of the HAP emissions from all solvent cleaning operations, plus all HAP emissions from other facilities within the source.

(A) Determine the potential to emit for each individual solvent cleaning using equation 6.

$$PTE_i = H_i * W_i * SAI_i \quad (6)$$

Where:

PTE_i = the potential to emit for solvent cleaning machine i (kilograms of solvent per year).
H_i = hours of operation for solvent cleaning machine i (hours per year).
= 8760 hours per year, unless otherwise restricted by a Federally enforceable requirement.
W_i = the working mode uncontrolled emission rate (kilograms per square meter per hour).
= 1.12 kilograms per square meter per hour for in-line cleaning machines.
SAI_i = solvent/air interface area of solvent cleaning machine i (square meters). 40 CFR 63.461 defines the solvent/air interface area for those machines that have a solvent/air interface. Cleaning machines that do not have a solvent/air interface shall calculate a solvent/air interface area using the procedure in the following paragraph.

D.3.6 ** *This condition has been removed* **

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.3.7 Monitoring

(1) The source shall conduct monitoring and record the results on a monthly basis for the control devices, as appropriate, specified below:

(A) If a cover (working-mode, downtime-mode, and/or idling-mode cover) is used to comply with the standards of 40 CFR 63.463(c)(1)(i), the source shall conduct a visual inspection to determine if the cover is opening and closing properly, completely covers the cleaning machine openings when closed, and is free of cracks, holes, and other defects.

(B) The source shall determine the actual dwell time by measuring the period of time that parts are held within the freeboard area of the solvent cleaning machine after cleaning.

(C) Pursuant to 40 CFR 63.466(e), the source using a carbon adsorber to comply with 40 CFR 63, Subpart T shall measure and record the concentration of halogenated HAP solvent in the exhaust of the carbon adsorber weekly with a colorimetric detector tube. This test shall be conducted while the solvent cleaning machine is in the working mode and is venting to the carbon adsorber. The exhaust concentration shall be determined using the procedure specified below:

(i) Use a colorimetric detector tube designed to measure a concentration of 100 parts per million by volume of solvent in air to an accuracy of +25 parts per million by volume.

(ii) Use the colorimetric detector tube according to the manufacturer's instructions.

(iii) Provide a sampling port for monitoring within the exhaust outlet of the carbon adsorber that is easily accessible and located at least 8 stack or duct diameters downstream from any flow disturbance such as a bend, expansion, contraction, or outlet; downstream from no other inlet; and 2 stack or duct diameters upstream from any flow disturbance such as a bend, expansion, contraction, inlet or outlet.